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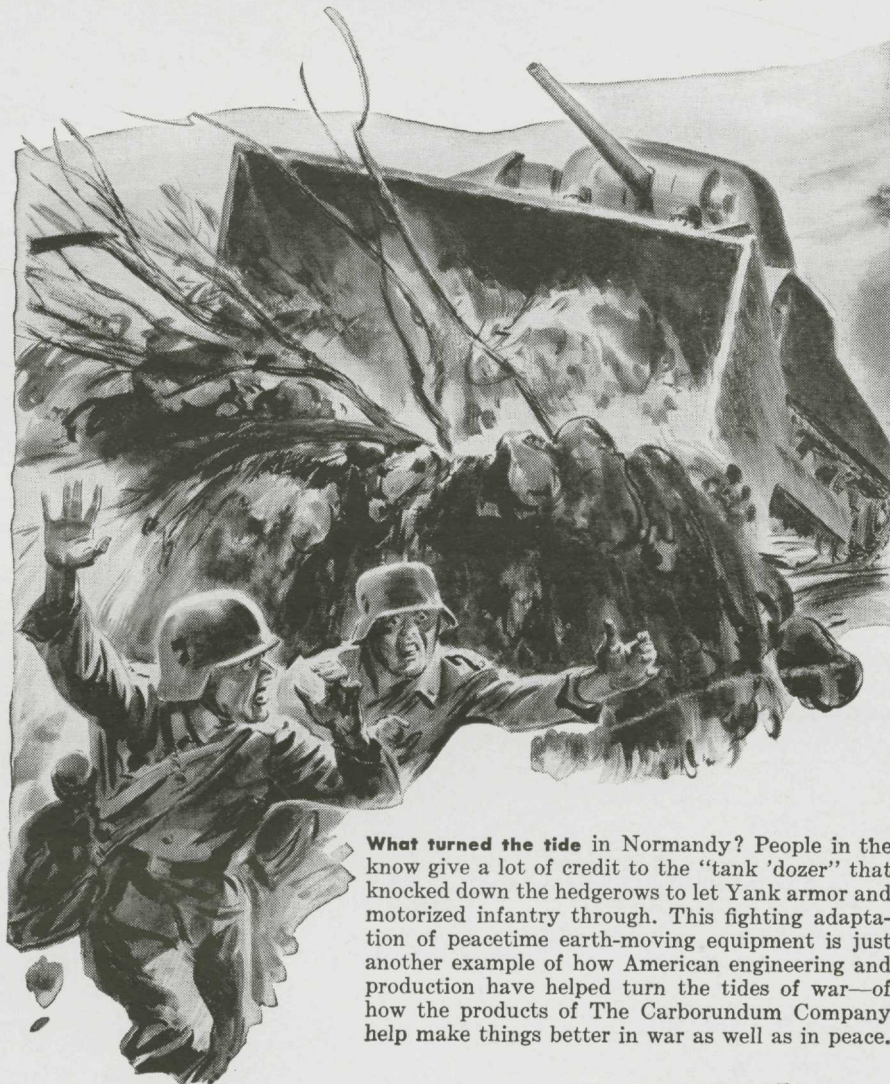
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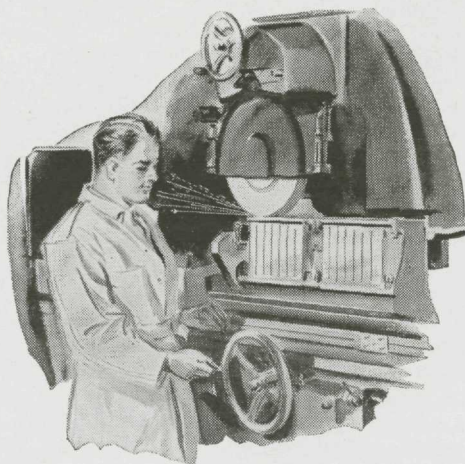
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What made Johann run?



What turned the tide in Normandy? People in the know give a lot of credit to the "tank 'dozer" that knocked down the hedgerows to let Yank armor and motorized infantry through. This fighting adaptation of peacetime earth-moving equipment is just another example of how American engineering and production have helped turn the tides of war—of how the products of The Carborundum Company help make things better in war as well as in peace.

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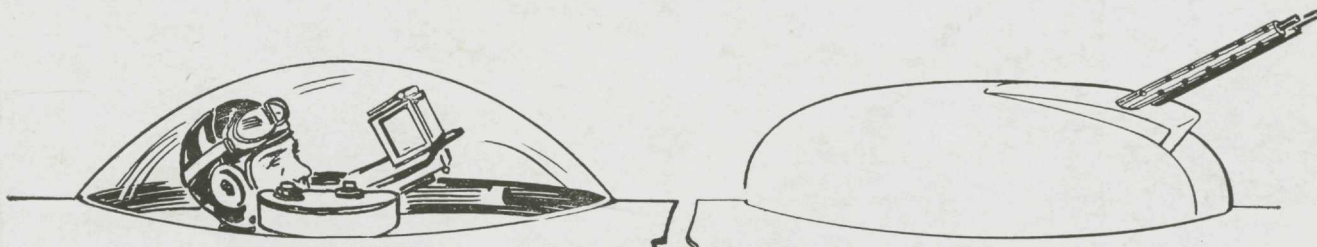
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Campus News

RESEARCH AND ENGINEERING KEEP GENERAL ELECTRIC YEARS AHEAD



REMOTE CONTROL

HE'S a gunner on a Boeing Superfortress. And there's a Jap plane framed in his sight. As he swings around, tracking the Jap, the low steel-lidded turret—which may be yards away—also turns. It follows his movements, and the guns raise and lower. And by pressing a button under his thumb, he can fire a fatal barrage.

But those guns don't point where he's aiming. For tied in between him and the guns is the G-E electronic-mechanical computer. It makes corrections for lead, windage, distance, parallax.

By flicking a switch, he can take over the control of up to three turrets. That leaves the B-29 protected on all sides—no blind spots for enemy attack!



NO SALE

THIS satisfied television set owner—one of several hundred envied people in the Schenectady-Albany-Troy area—hangs on to his receiver in spite of heavy demands for used sets. He enjoys the programs telecast from the G-E station, WRGB, and looks forward to even better entertainment after the war.

When postwar sets are made available, their owners will enjoy a diversity of programs. The picture of probable television developments, drawn by G-E engineers, shows interesting changes. There will be television wireless networks, made possible by the G-E "lighthouse tube," which utilizes ultra-high frequency radio beams for sending programs from one point to another. And then there will be smaller stations—known as satellites—to carry programs from centrally located master stations to the folks down on the farm.



CATCHING SNOWFLAKES

"FOSSILIZING" snowflakes is a fascinating hobby for Vincent Schaefer of the G-E Research Laboratory. But more than that, it's part of a critical war program. His technique for making replicas of snowflakes can be applied to other things, like metals needed for analysis.

It would be possible to get pictures of metal surfaces with a powerful electron microscope, except for one problem. The electron microscope relies on having a stream of electrons pass through the sample, and no way has been found to make a slice of metal thin enough to be transparent to an electron stream.

Thanks to Mr. Schaefer's innovation a very thin plastic reproduction of the metal is used. That's placed under the electron microscope, and then the analyst gets to work. *General Electric Company, Schenectady 5, New York.*

Hear the G-E radio programs: "The G-E All-girl Orchestra," Sunday 10 p.m. EWT, NBC—"The World Today" news, Monday through Friday, 6:45 p.m. EWT, CBS—"The G-E House Party," Monday through Friday 4:00 p.m. EWT, CBS.

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